

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/035999 A1

(51) International Patent Classification⁷: F16B 47/00

(21) International Application Number: PCT/KR2004/001191

(22) International Filing Date: 19 May 2004 (19.05.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 20-2003-0031990 11 October 2003 (11.10.2003) KR

(71) Applicant and

(72) Inventor: CHOI, Min-woo [KR/KR]; Hyundai Park Villa 302 ho, Imhak-dong 69-2, Gyeong-gu, Incheon-si 407-814 (KR).

(74) Agent: AJU PATENT & LAW FIRM; 12th Floor, Poonglim Building, 823-1, Yeoksam-dong, Gangnam-gu, Seoul 135-784 (KR).

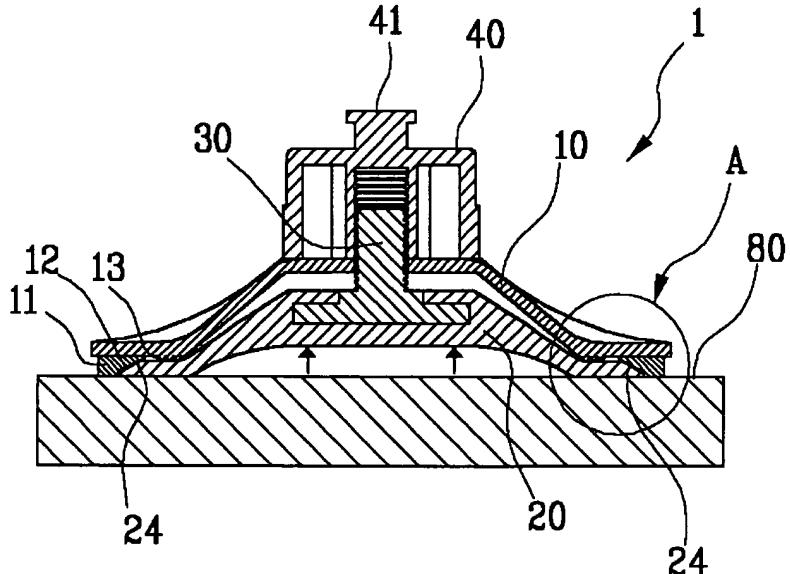
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VACUUM FIXER



WO 2005/035999 A1

(57) Abstract: The vacuum fixer includes a hat-shaped pressing plate made of rigid synthetic resin, a disk-type suction plate made of soft synthetic resin and covered with the pressing plate, a screw shaft mounted on the upper end of the center of the suction plate and perforating the center of the pressing plate, and a screw tightening member coupled to a protruding front end of the screw shaft.

Best Available Copy